

WORKSHEET

Solve for the variable in the []

1. $V = \frac{d}{t}$ [t]	15. $V = \frac{Q}{R_1} - \frac{Q}{R_2}$ [Q]	29. $F = \frac{P_1 + P_2}{A(V_1 + V_2)}$ [V ₂]	43. $D = P - AF$ [F]
2. $F = \frac{Gm_1m_2}{R^2}$ [G]	16. $\frac{E}{e} = \frac{R+r}{r}$ [e]	30. $V = \frac{4}{3}\pi R^3$ [R]	44. $A = P + PRT$ [R]
3. $V = \sqrt{\frac{Gm}{r}}$ [r]	17. $\frac{1}{t} = \frac{1}{a} + \frac{1}{b}$ [a]	31. $I = PRT$ [P]	45. $3(4n+2) + 8n - 6 = 6$ [n]
4. $S_2 = S_1 + \frac{1}{2}(v_2 - v_1)t$ [t]	18. $u = F\left(\frac{P}{T} - E\right)$ [P]	32. $A = P(1+x)^3$ [x]	46. $5(2x-3) + 4(3y+2) + 2x = 1$ [x]
5. $9(x+4) + 4 = 4(x-5)$ [x]	19. $E = mc^2$ [c]	33. $A = \frac{P-D}{F}$ [D]	47. $-3(2x+6) = 4 - \frac{(x+2)}{9}$ [x]
6. $\frac{y-1}{5} + 2 = \frac{2y-3}{3}$ [y]	20. $S = 2B + F$ [B]	34. $y = 10x^2 + 8$ [x]	48. $\frac{1}{f} = \frac{1}{d_i} + \frac{1}{d_o}$ [d _i]
7. $A = \frac{abc}{4r}$ [r]	21. $P = 2L + 2w$ [w]	35. $y = ax^2 + c$ [a]	49. $\frac{R-7}{4} + 3 = \frac{4R-2}{8}$
8. $\frac{1}{p} + \frac{1}{q} = \frac{1}{r}$ [q]	22. $V = \frac{1}{3}\pi R^2h$ [h]	36. $y = a(x-b) + 3c$ [b]	50. $D = VT + \frac{AT^2}{2}$ [v]
9. $\frac{A}{B} = \frac{C}{D}$ [C]	23. $A = \pi r^2$ [r]	37. $m = \sqrt{\frac{W}{P}}$ [P]	
10. $F = ma$ [m]	24. $D = P - AF$ [F]	38. $m = \sqrt{\frac{W}{P}}$ [W]	
11. $\frac{P}{Q} = \frac{R}{S}$ [S]	25. $y = mx + b$ [b]	39. $mx + 3c = 5(2p + w)$ [P]	
12. $\frac{1}{p} + \frac{1}{q} = \frac{1}{r}$ [r]	26. $C = A(r + 2w)$ [r]	40. $A = \frac{v-u}{t}$ [v]	
13. $A = \frac{(h+b)}{2}$ [b]	27. $F = \frac{Gm_1m_2}{R^2}$ [m ₂]	41. $T = 2\pi\sqrt{\frac{l}{g}}$ [l]	
14. $P = \frac{W}{t}$ [t]	28. $E = I^2RT$ [I]	42. $A = \pi R^2$ [R]	